



ERMES T

Three Phase Transformer Isolated Inverter

THE ERMES T Series UPS technology and true on-line double conversion power protection are ideal for installations requiring high energy efficiency and maximum power available. ERMES T series provides exceptional operating efficiency (over more conventional thyristor rectifier-based systems), a compact footprint and easy maintenance access.



Data center



Medical
equipment



Industry



IT loads



Telecom



Critical buildings



www.itapower.it

Made in Italy

ERMES Three Phase Series (10KVA~200KVA)



- High efficiency of 98.5%
- Reduced weight for transformer-based UPS;
- Distributed parallel configuration of up to 8 units per redundant (N+1) or power parallel system
- Double load protection, both electronic and galvanic, towards the battery
- Efficiency Control System to optimize the operating efficiency of parallel systems
- Complete Galvanic separation
- 10-40KVA with 3/1 or 3/3 configuration

Technical Specifications

MODEL	ERT3310	ERT3315	ERT3320	ERT3330	ERT3340	ERT3360	ERT3380	ERT33100	ERT33120	ERT33160	ERT33200
INPUT											
Nominal Voltage	380-400-415 Vac three-phase + N										
Frequency	45-65 Hz										
Power Factor	≥ 0.99										
Harmonic Current Distortion	THDI ≤ 2%										
Soft Start	0-100% in 120" (selectable)										
Frequency Tolerance	±2% (Slectable from ± 1% to 5% from pannel control)										
Standard equipment	Backfeed protection; separable bypass line										
OUTPUT											
Nominal Power KVA	10	15	20	30	40	60	80	100	120	160	200
Active Power KW	9	13.5	18	27	36	54	72	90	108	144	180
Number of phases	3+N										
Rated Voltage	380-400-415 Vac three-phase + N (Slectable)					380-400-415 Vac three-phase + N					
Static Stability	± 1%										
Dynamic Stability	± 5% in 10 ms										
Nominal Frequency	50/60Hz (Selectable)										
Voltage Distortion	< 1% (Linear Load); < 3 % (Non-linear load)										
Overload	110% for 60', 125% for 10', 150% dor 1'										
BYPASS											
Nominal Voltage	380-400-415 Vac three-phase + N										
Nominal Frequency	50/60Hz (Selectable)										
BATTERY											
Battery Type	VLRA AGM/GEL/NiCd/Li-ion/super caps/Flywheels										
Recharge Voltage compensation	< 90% non- condensing										
INFO FOR ISOLATION											
Dimension, D X W X H	555x740x1400					800x740x1400		800x800x1900			
Net Weight(kgs)	228	241	256	315	335	460	520	620	640	700	800
Remot signal	Dry contacts (configurable)										
Remot control	EDS and bypass (configurable)										
Comunication	Double RS232+Dry contacts+2slot for comuncations interface										
Operation temperature	0°C/+40°C										
Humidity	5-95% non-condensing										
Noise Level@1 Meter	60				62			65	63-68		
IP rating	20										
Smart active efficiency	up to 98%										
EMC/safety	Safety IEC EN 62040-1; EMC IEC EN 62040-2 C2; (Voltage Frequency Independent) VFI - SS - 111										

Product specifications are subject to change without further notice

ITAPOWER s.r.l
Viale Abruzzi, 13/A 20131 Milan (Italy)
Tel. +39 02 954205361
info@itapower.com www.itapower.com

